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Herausgegeben von **T. tom Dieck,** Göttingen
**E. Heinz,** Göttingen
**A. Pfluger,** Zürich
**H. Salzmann,** Tübingen
**H. Wielandt,** Tübingen
**K. Zeller,** Tübingen

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## INSTRUCTIONS TO AUTHORS

### A. General

Papers submitted (in duplicate please) for publication may be written in English, French or German. A **summary** for Zentralblatt für Mathematik (including key words for classification) should be attached.

To speed up publication, authors will receive **only one set of proofs:** provisionally numbered page proofs. Authors are requested to **correct typographical errors only;** they will be charged for corrections involving changes, additions or deletions to the original manuscript.

Manuscripts must be in their **final form,** typed on one side of each sheet only, with double spacing and wide margins. Formulae should be typewritten whenever possible. Mimeographed copies are not acceptable unless clearly legible.

Please include a "Note for the Printer" explaining markings used. See suggestions overleaf.

**Diagrams** should be submitted on separate sheets, not included in the text. They should be drawn in Indian ink in clean and clear uniform lines, the whole about twice the size of the finished illustration. Inscriptions should allow for the figure 1, for example, to be about 2 mm high in the final version (i.e. 4 mm for reduction $\times\frac{1}{2}$). The author should mark in the margin of the manuscript where diagrams may be inserted.

**Footnotes,** other than those which refer to the title heading, should be numbered consecutively and placed at the foot of the page to which they refer (not at the end of the article). They should preferably be avoided.

Please give on the first page of the manuscript a **running head** (condensed title), which should not exceed 70 letters including spaces.

**References** to the literature should be listed at the end of the manuscript. The following information should be provided for **journal articles:** names and initials of all authors, full title of the paper, name of the journal, volume, first and last page numbers and year of publication. References to **books** should include name(s) of author(s), full title, edition, place of publication, publisher and year of publication.

#### Examples

Bombieri, E., Giusti, E.: Harnack's inequality for elliptic differential equations on minimal surfaces. Inventiones math. **15**, 24–46 (1971)

Tate, J.T.: *p*-Divisible Groups. In: Proceedings of a Conference on Local Fields (Driebergen 1966), pp. 158–183. Berlin-Heidelberg-New York: Springer 1967

## B. Marking

### 1. Text

Words or sentences to be set in *italics* should be marked by single underlining.

The words **"Theorem", "Proposition", "Lemma", "Corollary"** etc. are normally printed in **boldface,** followed by the formulation in italics (to be underlined in the manuscript).
The words "*Proof*", "*Remark*", "*Example*", "*Case*" etc. are printed in italics, and "Definition" in boldface with the formulation in ordinary typeface.

### 2. Formulae

Letters in formulae are normally printed in italics, figures in ordinary typeface.
It will help the printer if in doubtful cases the position of indices and exponents is marked thus: $b\,{}_{\wedge}^{\wedge}$, $a\,{}_{\vee}^{\vee}$. Spacing of indices and exponents must be specially indicated ($A_{m\ n}^{n\ m}$), otherwise they will be set ($A_{mn}^{nm}$).
Underlining for special alphabets and typefaces should be done according to the following code:

| | |
|---|---|
| single underlining: | small letter |
| double underlining: | capital letter |
| brown: | boldface (headings, boldface letters in formulae) |
| yellow: | upright (abbreviations e.g. Re, Im, log, sin, ord, id, lim, sup, etc.) |
| red: | Greek |
| blue: | Gothic |
| green: | Script |
| violet: | the numerals 1 and 0 (to distinguish them from the small letter *l* and the capital letter *O*) |

The following are frequently confused:

$\circ, o, O, 0$; $\cup$, $\mathfrak{u}$, $\bigcup, U$; $\times, x, X, \kappa$; $\vee, v, \nu$; $\theta, \Theta, \phi, \varphi, \Phi, \varnothing$; $\psi, \Psi$; $\varepsilon, \in$;

$a', a^1$; the symbol *a* and the indefinite article a;

also the handwritten Roman letters:

$c, C$; $e, l$; $I, J$; $k, K$; $o, O$; $p, P$; $s, S$; $u, U$; $v, V$; $w, W$; $x, X$; $z, Z$;

Please take care to distinguish them in some way.

## C. Examples

### 1. Special alphabets or typefaces

| | |
|---|---|
| Script | $\mathscr{A}, \mathscr{B}, \mathscr{C}, \mathscr{D}, \mathscr{E}, \mathscr{F}, \mathscr{G}, \mathscr{H}, \mathscr{I}, \mathscr{J}, \mathscr{K}, \mathscr{L}, \mathscr{M}, \mathscr{N}, \mathscr{O}, \mathscr{P}, \mathscr{Q}, \mathscr{R}, \mathscr{S}, \mathscr{T}, \mathscr{U}, \mathscr{V}, \mathscr{W}, \mathscr{X}, \mathscr{Y}, \mathscr{Z}$ |
| | $a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z$ |
| Sanserif | A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z |
| | a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z |
| Gothic | $\mathfrak{A}, \mathfrak{B}, \mathfrak{C}, \mathfrak{D}, \mathfrak{E}, \mathfrak{F}, \mathfrak{G}, \mathfrak{H}, \mathfrak{I}, \mathfrak{J}, \mathfrak{K}, \mathfrak{L}, \mathfrak{M}, \mathfrak{N}, \mathfrak{O}, \mathfrak{P}, \mathfrak{Q}, \mathfrak{R}, \mathfrak{S}, \mathfrak{T}, \mathfrak{U}, \mathfrak{V}, \mathfrak{W}, \mathfrak{X}, \mathfrak{Y}, \mathfrak{Z}$ |
| | $\mathfrak{a}, \mathfrak{b}, \mathfrak{c}, \mathfrak{d}, \mathfrak{e}, \mathfrak{f}, \mathfrak{g}, \mathfrak{h}, \mathfrak{i}, \mathfrak{j}, \mathfrak{k}, \mathfrak{l}, \mathfrak{m}, \mathfrak{n}, \mathfrak{o}, \mathfrak{p}, \mathfrak{q}, \mathfrak{r}, \mathfrak{s}, \mathfrak{t}, \mathfrak{u}, \mathfrak{v}, \mathfrak{w}, \mathfrak{x}, \mathfrak{y}, \mathfrak{z}$ |
| Boldface | **A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z** |
| | **a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z** |
| Special Roman | $\mathbb{A}, \mathbb{B}, \mathbb{C}, \mathbb{D}, \mathbb{E}, \mathbb{F}, \mathbb{G}, \mathbb{H}, \mathbb{I}, \mathbb{J}, \mathbb{K}, \mathbb{L}, \mathbb{M}, \mathbb{N}, \mathbb{O}, \mathbb{P}, \mathbb{Q}, \mathbb{R}, \mathbb{S}, \mathbb{T}, \mathbb{U}, \mathbb{V}, \mathbb{W}, \mathbb{X}, \mathbb{Y}, \mathbb{Z}, \mathbb{1}$ |
| Greek | $\Gamma, \Delta, \Theta, \Lambda, \Xi, \Pi, \Sigma, \Phi, \Psi, \Omega$ |
| | $\alpha, \beta, \gamma, \delta, \varepsilon, \zeta, \eta, \theta, \vartheta, \iota, \kappa, \lambda, \mu, \nu, \xi, o, \pi, \rho, \sigma, \tau, \upsilon, \varphi, \phi, \chi, \psi, \omega$ |
| Greek Sanserif | A, B, Γ, Δ, E, Z, H, Θ, I, K, Λ, M, N, Ξ, O, Π, P, Σ, T, Y, Φ, X, Ψ, Ω |
| | α, β, γ, δ, ε, ζ, η, ϑ, θ, ι, κ, λ, μ, ν, ξ, ο, π, ρ, σ, ς, τ, υ, φ, χ, ψ, ω |
| | (Indices and superscripts are not available) |

### 2. Notations

| preferred form | instead of |
|---|---|
| $A^*, b^{\sim}, \gamma', \mathfrak{v}, \mathbf{v}$ | $\bar{A}, \hat{b}, \check{\gamma}, \vec{v}$ |
| lim sup, proj lim | $\overline{\lim}, \underleftarrow{\lim}$ |
| $f\colon A \to B$ | $A \xrightarrow{f} B$ |
| $\sum_{n=1}^{\infty}$ | $\sum\limits_{n=1}^{\infty}$ |

| preferred form | instead of |
|---|---|
| $\exp(-(x^2+y^2)/a^2)$ | $e^{-\frac{x^2+y^2}{a^2}}$ |
| $\dfrac{\cos(1/x)}{(a+b/x)^{1/2}}$ | $\dfrac{\cos\frac{1}{x}}{\sqrt{a+\frac{b}{x}}}$ |